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     (FILE 'HOME' ENTERED AT 15:27:56 ON 31 MAY 2006)

     FILE 'REGISTRY' ENTERED AT 15:28:05 ON 31 MAY 2006
L1              STRUCTURE UPLOADED
L2            0 S L1
L3           19 S L1 FULL

     FILE 'HCAPLUS' ENTERED AT 15:37:20 ON 31 MAY 2006
L4            7 S L3
L5            0 S L4 AND MATSUOKA, H?/AU
L6            0 S L4 AND SATO, T?/AU
L7            0 S L4 AND TAKAHASHI, T?/AU
L8            0 S L4 AND KIM, D?/AU
L9         2365 S JUNG, K?/AU
L10           0 S L9 AND L4
L11           0 S L4 AND PARK, C?/AU

     FILE 'CAOLD' ENTERED AT 15:39:18 ON 31 MAY 2006

=> s l3
L12           0 L3

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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

| | | |
|---|---|---|
| NEWS 1 | | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS 2 | | "Ask CAS" for self-help around the clock |
| NEWS 3 | JAN 17 | Pre-1988 INPI data added to MARPAT |
| NEWS 4 | FEB 21 | STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results |
| NEWS 5 | FEB 22 | The IPC thesaurus added to additional patent databases on STN |
| NEWS 6 | FEB 22 | Updates in EPFULL; IPC 8 enhancements added |
| NEWS 7 | FEB 27 | New STN AnaVist pricing effective March 1, 2006 |
| NEWS 8 | MAR 03 | Updates in PATDPA; addition of IPC 8 data without attributes |
| NEWS 9 | MAR 22 | EMBASE is now updated on a daily basis |
| NEWS 10 | APR 03 | New IPC 8 fields and IPC thesaurus added to PATDPAFULL |
| NEWS 11 | APR 03 | Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL |
| NEWS 12 | APR 04 | STN AnaVist $500 visualization usage credit offered |
| NEWS 13 | APR 12 | LINSPEC, learning database for INSPEC, reloaded and enhanced |
| NEWS 14 | APR 12 | Improved structure highlighting in FQHIT and QHIT display in MARPAT |
| NEWS 15 | APR 12 | Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected |
| NEWS 16 | MAY 10 | CA/CAplus enhanced with 1900-1906 U.S. patent records |
| NEWS 17 | MAY 11 | KOREAPAT updates resume |
| NEWS 18 | MAY 19 | Derwent World Patents Index to be reloaded and enhanced |
| NEWS 19 | MAY 30 | IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2 |
| NEWS 20 | MAY 30 | The F-Term thesaurus is now available in CA/CAplus |

| | |
|---|---|
| NEWS EXPRESS | JUNE 16 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 23 MAY 2006. |

| | |
|---|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | Welcome Banner and News Items |
| NEWS IPC8 | For general information regarding STN implementation of IPC 8 |
| NEWS X25 | X.25 communication option no longer available after June 2006 |

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:27:56 ON 31 MAY 2006

=> file reg

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 15:28:05 ON 31 MAY 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.


Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 30 MAY 2006 HIGHEST RN 886115-42-0
DICTIONARY FILE UPDATES: 30 MAY 2006 HIGHEST RN 886115-42-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

**********
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
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Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading structure

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

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SAMPLE SEARCH INITIATED 15:36:26 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    42348 TO ITERATE

  4.7% PROCESSED     2000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       834674 TO   859246
PROJECTED ANSWERS:               0 TO        0

L2             0 SEA SSS SAM L1

=> s l1 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 166.50 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 15:36:31 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   848347 TO ITERATE

 86.5% PROCESSED   733689 ITERATIONS                               19 ANSWERS

 98.3% PROCESSED   834112 ITERATIONS                               19 ANSWERS

100.0% PROCESSED   848347 ITERATIONS                               19 ANSWERS
SEARCH TIME: 00.00.43

L3            19 SEA SSS FUL L1

=> file hcaplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              173.10     173.31

FILE 'HCAPLUS' ENTERED AT 15:37:20 ON 31 MAY 2006
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FILE COVERS 1907 - 31 May 2006  VOL 144 ISS 23
FILE LAST UPDATED: 30 May 2006  (20060530/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.
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L4            7 L3

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          2375 MATSUOKA, H?/AU
L5            0 L4 AND MATSUOKA, H?/AU

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L6            0 L4 AND SATO, T?/AU

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L7            0 L4 AND TAKAHASHI, T?/AU

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=> s jung, k?/au
L9         2365 JUNG, K?/AU

=> s l9 and l4
L10           0 L9 AND L4

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          8506 PARK, C?/AU
L11           0 L4 AND PARK, C?/AU

=> d l4, ibib abs hitstr, 1-7

L4   ANSWER 1 OF 7  HCAPLUS  COPYRIGHT 2006 ACS on STN
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Full Text | Citing References

ACCESSION NUMBER: 2005:140666 HCAPLUS
DOCUMENT NUMBER: 142:210949
TITLE: Artificial receptors, building blocks, and methods
INVENTOR(S): Carlson, Robert E.
PATENT ASSIGNEE(S): Receptors Llc, USA
SOURCE: U.S. Pat. Appl. Publ., 72 pp., Cont.-in-part of Appl. No. PCT/US03/05328.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 14
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| US 2005037381 | A1 | 20050217 | US 2004-813568 | 20040329 |
| US 2003203405 | A1 | 20031030 | US 2002-244727 | 20020916 |
| WO 2003074990 | A2 | 20030912 | WO 2003-US5328 | 20030219 |
| WO 2003074990 | C2 | 20040122 | | |
| WO 2003074990 | A3 | 20040729 | | |

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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| US 2004137481 | A1 | 20040715 | US 2003-703660 | 20031107 |
| US 2004235051 | A1 | 20041125 | US 2003-727059 | 20031202 |
| US 2005106630 | A1 | 20050519 | US 2004-934865 | 20040903 |
| US 2005118617 | A1 | 20050602 | US 2004-934977 | 20040903 |
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| US 2006057625 | A1 | 20060316 | US 2005-217384 | 20050901 |
| US 2006051802 | A1 | 20060309 | US 2005-223463 | 20050909 |
| PRIORITY APPLN. INFO.: | | | US 2002-244727 | A2 20020916 |
| | | | WO 2003-US5328 | A2 20030219 |
| | | | US 2003-459062P | P 20030328 |
| | | | US 2003-499776P | P 20030903 |
| | | | US 2003-499975P | P 20030903 |
| | | | US 2003-500081P | P 20030903 |
| | | | US 2003-526511P | P 20031202 |
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| | | | US 2002-400605P | P 20020802 |
| | | | WO 2003-US305328 | A2 20030219 |
| | | | WO 2003-WO305328 | A 20030219 |
| | | | US 2003-499752P | P 20030903 |
| | | | US 2003-499867P | P 20030903 |
| | | | US 2003-499965P | P 20030903 |
| | | | US 2003-526699P | P 20031202 |
| | | | US 2003-526703P | P 20031202 |
| | | | US 2003-526708P | P 20031202 |
| | | | US 2003-527190P | P 20031202 |
| | | | US 2004-812850 | A2 20040329 |
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| | | | US 2004-813612 | A2 20040329 |
| | | | WO 2004-US9649 | A2 20040329 |
| | | | WO 2004-WO9649 | A 20040329 |
| | | | US 2004-607438P | P 20040903 |
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| | | | WO 2004-WO29122 | A 20040903 |
| | | | US 2004-608557P | P 20040910 |
| | | | US 2004-608654P | P 20040910 |
| | | | US 2004-609160P | P 20040911 |
| | | | US 2004-612666P | P 20040923 |
| | | | US 2004-622086P | P 20041025 |
| | | | US 2004-626770P | P 20041110 |
| | | | US 2004-4593 | A2 20041202 |
| | | | US 2005-645582P | P 20050119 |
| | | | US 2005-649729P | P 20050203 |

AB The present invention relates to artificial receptors and arrays or microarrays of artificial receptors or candidate artificial receptors. Each member of the array includes a plurality of building block compds., which can be immobilized in a spot on a support. The present invention also includes the building blocks, combinations of building blocks, arrays of building blocks, and receptors constructed of these building blocks

together with a support. The present invention also includes methods of making and using these arrays and receptors.

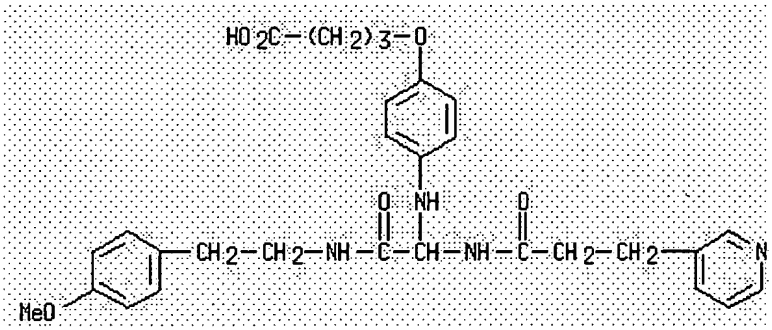
IT **596118-78-4P**

RL: CPN (Combinatorial preparation); CMBI (Combinatorial study); PREP (Preparation)

(methods for combinatorial synthesis and use of artificial receptors and building blocks)

RN 596118-78-4 HCAPLUS

CN Butanoic acid, 4-[4-[[2-[[2-(4-methoxyphenyl)ethyl]amino]-2-oxo-1-[[1-oxo-3-(3-pyridinyl)propyl]amino]ethyl]amino]phenoxy]- (9CI) (CA INDEX NAME)




L4 ANSWER 2 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN

Full Text | Citing References

ACCESSION NUMBER: 2003:719694 HCAPLUS
DOCUMENT NUMBER: 139:254455
TITLE: Artificial receptors, building blocks, and methods
INVENTOR(S): Carlson, Robert E.
PATENT ASSIGNEE(S): Receptors LLC, USA
SOURCE: PCT Int. Appl., 145 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 14
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2003074990 | A2 | 20030912 | WO 2003-US5328 | 20030219 |
| WO 2003074990 | C2 | 20040122 | | |
| WO 2003074990 | A3 | 20040729 | | |
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| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
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| CA 2477749 | AA | 20030912 | CA 2003-2477749 | 20030219 |
| AU 2003213204 | A1 | 20030916 | AU 2003-213204 | 20030219 |
| EP 1483578 | A2 | 20041208 | EP 2003-709250 | 20030219 |
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| JP 2005519124 | T2 | 20050630 | JP 2003-573401 | | 20030219 |
| CN 1650163 | A | 20050803 | CN 2003-809930 | | 20030219 |
| US 2004096908 | A1 | 20040520 | US 2003-703876 | | 20031107 |
| US 2004101446 | A1 | 20040527 | US 2003-703779 | | 20031107 |
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| US 2004096976 | A1 | 20040520 | US 2003-706573 | | 20031111 |
| US 2004110303 | A1 | 20040610 | US 2003-706505 | | 20031111 |
| US 2004235051 | A1 | 20041125 | US 2003-727059 | | 20031202 |
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| PRIORITY APPLN. INFO.: | | | US 2002-360980P | P | 20020301 |
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| | | | US 2004-626770P | P | 20041110 |
| | | | US 2005-645582P | P | 20050119 |
| | | | US 2005-649729P | P | 20050203 |

OTHER SOURCE(S): MARPAT 139:254455

AB The present invention relates to artificial receptors and arrays or microarrays of artificial receptors or candidate artificial receptors. Each member of the array includes a plurality of building block compds., typically immobilized in a spot on a support. The present invention also includes the building blocks, combinations of building blocks, arrays of building blocks, and receptors constructed of these building blocks together with a support. The present invention also includes methods of making and using these arrays and receptors.

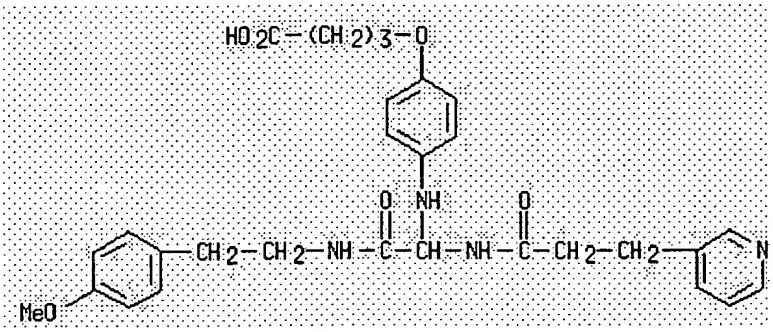
IT **596118-78-4P**

RL: CPN (Combinatorial preparation); CMBI (Combinatorial study); PREP (Preparation)

(methods for combinatorial synthesis and use of artificial receptors and building blocks)

RN 596118-78-4 HCAPLUS

CN Butanoic acid, 4-[4-[[2-[[2-(4-methoxyphenyl)ethyl]amino]-2-oxo-1-[[1-oxo-3-(3-pyridinyl)propyl]amino]ethyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN

Full Text | Cited References

ACCESSION NUMBER: 2002:256223 HCAPLUS
DOCUMENT NUMBER: 136:295089
TITLE: Preparation of amino acid aromatic derivatives with HIV integrase inhibitory properties
INVENTOR(S): N'zemba, Blaise Magloire; Sauve, Gilles; Sevigny, Guy; Yelle, Jocelyn
PATENT ASSIGNEE(S): Pharmacor, Inc., Can.
SOURCE: PCT Int. Appl., 173 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2002026697 | A2 | 20020404 | WO 2001-CA1367 | 20010925 |
| WO 2002026697 | A3 | 20020516 | | |
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| PRIORITY APPLN. INFO.: | | | CA 2000-2321348 A | 20000927 |
| | | | WO 2001-CA1367 W | 20010925 |

OTHER SOURCE(S): MARPAT 136:295089

AB Amino acid derivs. R1CO-A-CONHR2 [A = NR3CR4R5, where R3, R4 = H or Me; R5 = H, alkyl, carboxyalkyl, benzyl, MeSCH2CH2, 1-indolylmethyl, 3,4-(HO)2C6H2CH2, etc.; R3R4 may be trimethylene, which may be substituted; R1, R2 are certain rings (Ph, 3-pyridyl, 2-quinolyl, 2-thienyl, etc.), which may be substituted and attached to alkyl; R2 may also be aroylamino] were prepd. as inhibitors of HIV integrase. Thus, N-[Nα-(3,4-dihydroxybenzoyl)-Nτ-trityl-L-histidinyl]dopamine was prepd. by coupling of Nα-(9-fluorenylmethoxycarbonyl)-Nτ-trityl-

L-histidine with dopamine hydrochloride, deprotection, and acylation with 3,4-dihydroxybenzoic acid and showed anti-integrase activity IC50 = 65 nM.

IT **406727-71-7P 406727-72-8P**

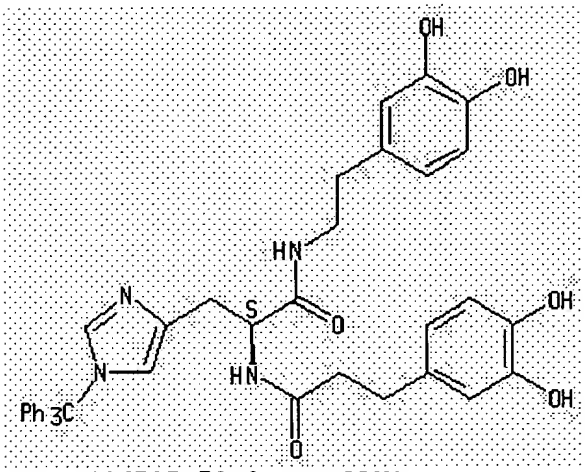
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of amino acid arom. derivs. with HIV integrase inhibitory properties)

RN 406727-71-7 HCAPLUS

CN 1H-Imidazole-4-propanamide, N-[2-(3,4-dihydroxyphenyl)ethyl]-α-[[3-(3,4-dihydroxyphenyl)-1-oxopropyl]amino]-1-(triphenylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

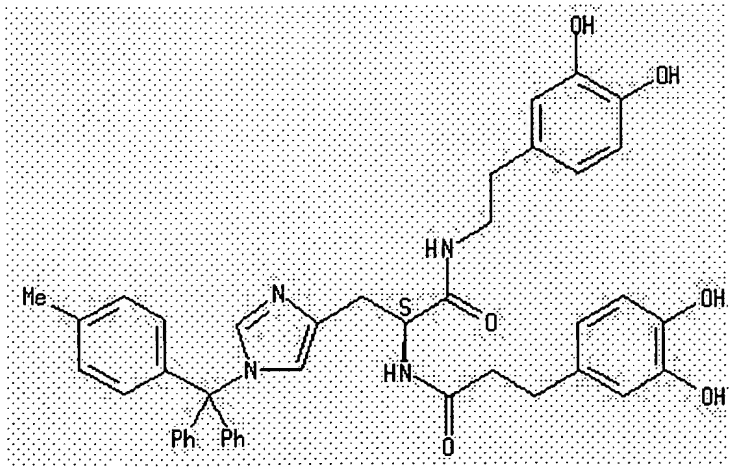
Absolute stereochemistry.



RN 406727-72-8 HCAPLUS

CN 1H-Imidazole-4-propanamide, N-[2-(3,4-dihydroxyphenyl)ethyl]-α-[[3-(3,4-dihydroxyphenyl)-1-oxopropyl]amino]-1-[(4-methylphenyl)diphenylmethyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 4 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN

Full Text | Citing References

ACCESSION NUMBER: 2002:237355 HCAPLUS

DOCUMENT NUMBER: 136:263476

TITLE: Preparation of hydroxyphenyl derivatives with HIV

integrase inhibitory properties
INVENTOR(S): Sauve, Gilles; Yelle, Jocelyn
PATENT ASSIGNEE(S): Pharmacor Inc., Can.
SOURCE: U.S., 36 pp., Cont.-in-part of U.S. Ser. No. 280,569, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| US 6362165 | B1 | 20020326 | US 2000-534615 | 20000327 |
| PRIORITY APPLN. INFO.: | | | US 1999-280569 | B2 19990330 |

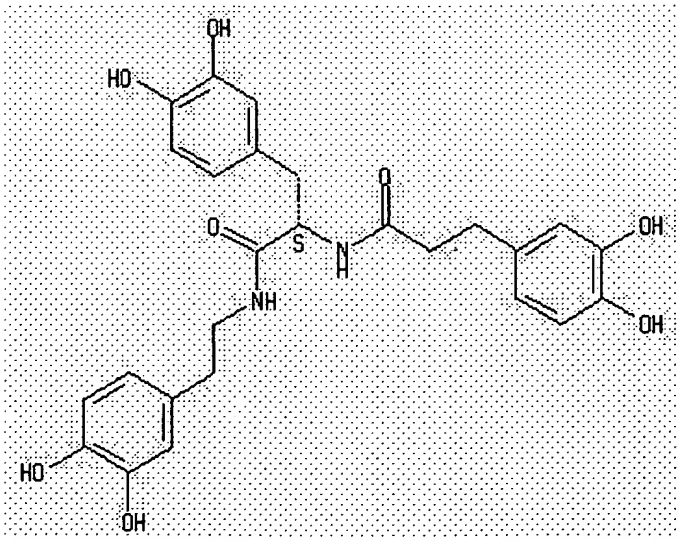
OTHER SOURCE(S): MARPAT 136:263476

AB Amino acid hydroxyphenyl derivs. 3,4-(HO)2C6H3-X-NH-W-CO-X'-R and [3,4-(HO)2C6H3CH2CH2NHCOCH(NRaCOR)CH2S]2 [R is Ph substituted by 1-3 OH groups and 0-2 halo group; X, X' = a single bond, C1-4 alkylene or C2-4 alkenylene; Ra = H, Me; W = -A-CO(A'CO)n-, where n = 0 or 1 and A, A' are -NRaCRbRc- (Ra, Rb = H, Me; Rc = H, Me, Me2CH, PHCH2, HO2CCH2, 3-indolylmethyl, 3-guanidylpropyl, 3,4-dihydroxybenzyl, etc. or RaRc together form an azole ring which may be substituted by hydroxy) (with provisos)] were prepd. as inhibitors of HIV integrase. Thus, N-[N-(3,4-dihydroxybenzoyl)glycyl]dopamine, prepd. from glycine tert-Bu ester via coupling with 3,4-dihydroxybenzoic acid and dopamine, showed anti-integrase activity IC50 = 100 μM.

IT **300409-28-3P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of amino acid hydroxyphenyl derivs. with HIV integrase inhibitory properties)

RN 300409-28-3 HCAPLUS
CN Benzenepropanamide, N-[2-(3,4-dihydroxyphenyl)ethyl]-α-[[3-(3,4-dihydroxyphenyl)-1-oxopropyl]amino]-3,4-dihydroxy-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.




REFERENCE COUNT: 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN

Full Text | Citing References

ACCESSION NUMBER: 2000:725598 HCAPLUS
DOCUMENT NUMBER: 133:282085
TITLE: Preparation of hydroxyphenyl derivatives with HIV integrase inhibitory properties
INVENTOR(S): Sauve, Gilles; Yelle, Jocelyn
PATENT ASSIGNEE(S): Pharmacor Inc., Can.
SOURCE: PCT Int. Appl., 122 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2000059867 | A1 | 20001012 | WO 2000-CA327 | 20000327 |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2267657 | AA | 20000930 | CA 1999-2267657 | 19990330 |
| CA 2302144 | AA | 20000930 | CA 2000-2302144 | 20000327 |
| EP 1165492 | A1 | 20020102 | EP 2000-913980 | 20000327 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |

PRIORITY APPLN. INFO.:

| | | |
|---|---|---|
| CA 1999-2267657 | A | 19990330 |
| US 1999-280569 | A | 19990330 |
| WO 2000-CA327 | W | 20000327 |

OTHER SOURCE(S): MARPAT 133:282085

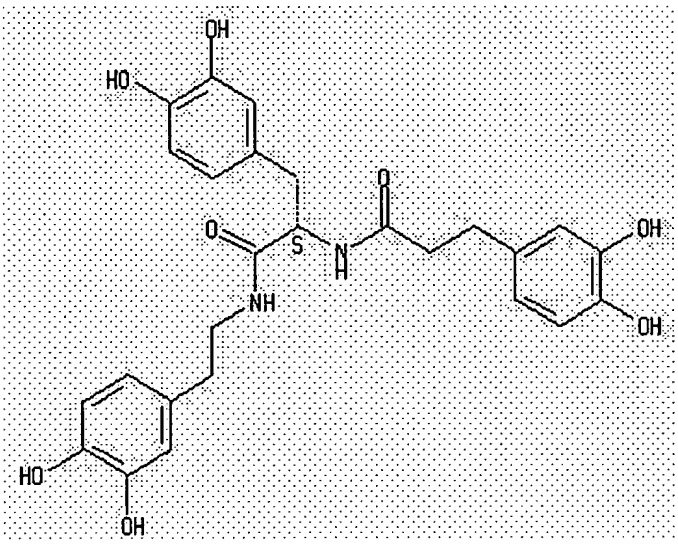
AB Amino acid hydroxyphenyl derivs. 3,4-(HO)2C6H3-X-NH-W-CO-X'-R and [3,4-(HO)2C6H3CH2CH2NHCOCH(NRaCOR)CH2S]2 [R is Ph substituted by 1-3 OH groups and 0-2 halo group; X, X' = a single bond, C1-4 alkylene or C2-4 alkenylene; Ra = H, Me; W = -A-CO(A'CO)n-, where n = 0 or 1 and A, A' are -NRaCRbRc- (Ra, Rb = H, Me; Rc = H, Me, Me2CH, PHCH2, HO2CCH2, benzyloxycarbonyl, 3-indolylmethyl, 3-guanidylpropyl, 3,4-dihydroxybenzyl, etc. or RaRc together form an azole ring which may be substituted by hydroxy), -NRaCRbRcCH2-, -NRaCRbRcCH2CH2] were prepd. as inhibitors of HIV integrase. Thus, N-[N-(3,4-hydroxybenzoyl)glycyl]dopamine, prepd. from glycine tert-Bu ester via coupling with 3,4-dihydroxybenzoic acid and dopamine, showed anti-integrase activity IC50 = 100 μM.

IT **300409-28-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of hydroxyphenyl derivs. with HIV integrase inhibitory properties)

RN 300409-28-3 HCAPLUS

CN Benzenepropanamide, N-[2-(3,4-dihydroxyphenyl)ethyl]-α-[[3-(3,4-dihydroxyphenyl)-1-oxopropyl]amino]-3,4-dihydroxy-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN

Full Text | Citing References

ACCESSION NUMBER: 1998:661011 HCAPLUS
DOCUMENT NUMBER: 130:76286
TITLE: NPY Y1 antagonists: structure-activity relationships of arginine derivatives and hybrid compounds with arpromidine-like partial structures
AUTHOR(S): Aiglstorfer, Iris; Uffrecht, Anka; Gessele, Karin; Moser, Christiane; Schuster, Andreas; Merz, Stefanie; Malawska, Barbara; Bernhardt, Gunther; Dove, Stefan; Buschauer, Armin
CORPORATE SOURCE: Institute of Pharmacy, University of Regensburg, Regensburg, D-93040, Germany
SOURCE: Regulatory Peptides (1998), 75-76, 9-21
CODEN: REPPDY; ISSN: 0167-0115
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English

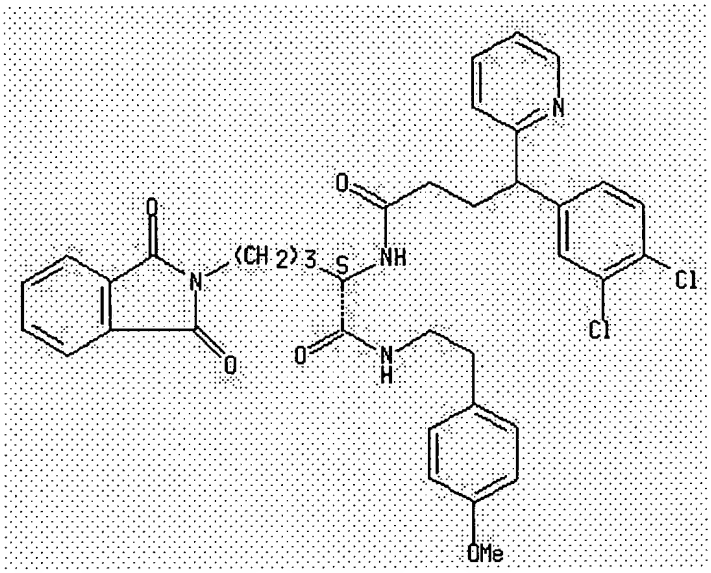
AB Previously, ω-guanidino- and ω-aminoalkanamides, structurally derived from arpromidine-like histamine H2 receptor agonists, were reported as novel neuropeptide Y Y1 antagonists. Regardless of the backbone, they resemble BIBP 3226, an argininamide with high NPY Y1 receptor affinity and selectivity, with respect to nature and arrangement of the 'terminal' diaryl, guanidine, and hydroxyphenyl groups. Hybrid compds. were synthesized combining the argininamide backbone of BIBP 3226 or partial structures derived from the C-terminal dipeptide of NPY with characteristic substructures of arpromidine- or amide-type NPY antagonists. Addnl., some analogs of BIBP 3226 with reduced flexibility were prepd. Structure-activity relationships indicate that, in contrast to alkanamides, homologs and/or isomers of BIBP 3226 with vicinal arrangement of the Ph rings have decreased Y1 antagonistic activity (Ca2+-assay in HEL cells). Replacement of the hydroxybenzyl group by an imidazole ring further decreases activity. It is concluded that the binding sites of NPY antagonists with one and with two basic groups are not identical. Analogs with a rigid tetrahydro-2-benzazepine or an indan

group in place of the benzyl moiety in BIBP 3226 are active, indicating the role of the OH group and supporting the model proposed for the interaction of BIBP 3226 with the Y1 receptor.

IT **218793-28-3P 218793-31-8P 218793-45-4P 218793-47-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; neuropeptide Y Y1 receptor antagonists and structure-activity relationships of arginine derivs. and hybrid compds. with arpromidine-like partial structures)

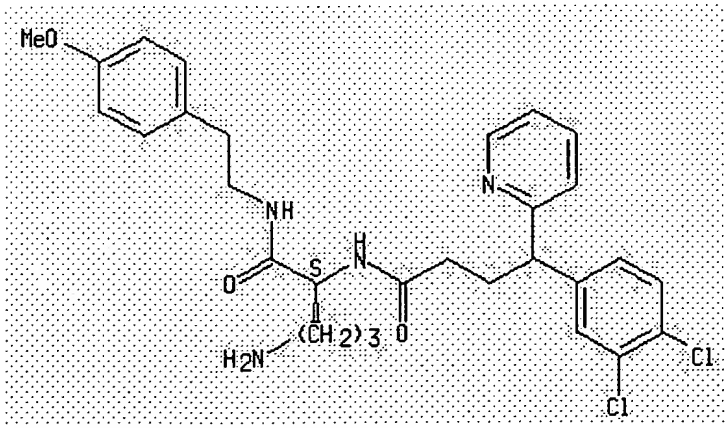
RN 218793-28-3 HCAPLUS
CN 2H-Isoindole-2-pentanamide, α-[[4-(3,4-dichlorophenyl)-1-oxo-4-(2-pyridinyl)butyl]amino]-1,3-dihydro-N-[2-(4-methoxyphenyl)ethyl]-1,3-dioxo-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.




RN 218793-31-8 HCAPLUS
CN 2-Pyridinebutanamide, N-[(1S)-4-amino-1-[[[2-(4-methoxyphenyl)ethyl]amino]carbonyl]butyl]-γ-(3,4-dichlorophenyl)- (9CI) (CA INDEX NAME)

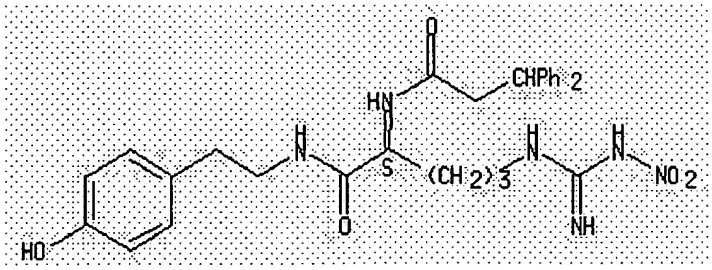
Absolute stereochemistry.




RN 218793-45-4 HCAPLUS
CN Benzenepropanamide, N-[(1S)-1-[[[2-(4-hydroxyphenyl)ethyl]amino]carbonyl]-4-[[imino(nitroamino)methyl]amino]butyl]-β-phenyl- (9CI) (CA INDEX

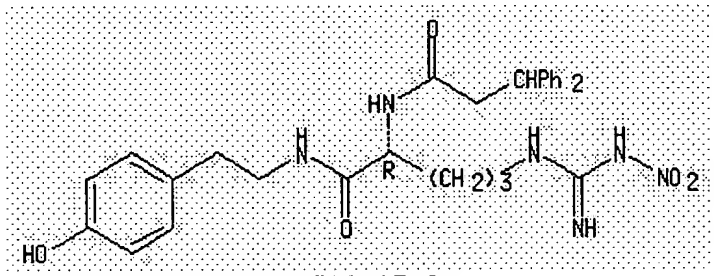
NAME)

Absolute stereochemistry.



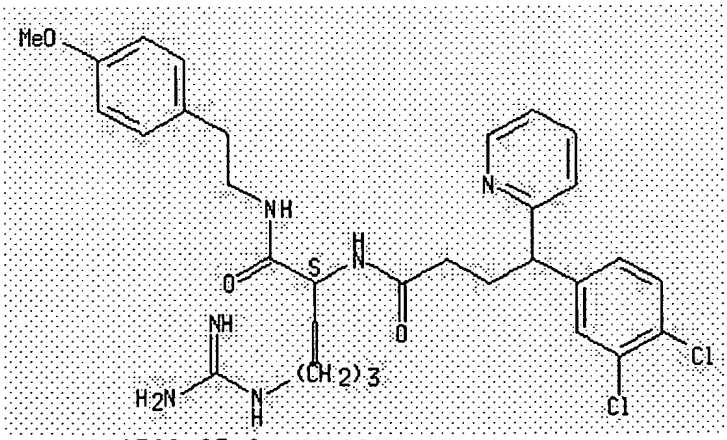
RN 218793-47-6 HCAPLUS
CN Benzenepropanamide, N-[(1R)-1-[[[2-(4-hydroxyphenyl)ethyl]amino]carbonyl]-4-[[imino(nitroamino)methyl]amino]butyl]-β-phenyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



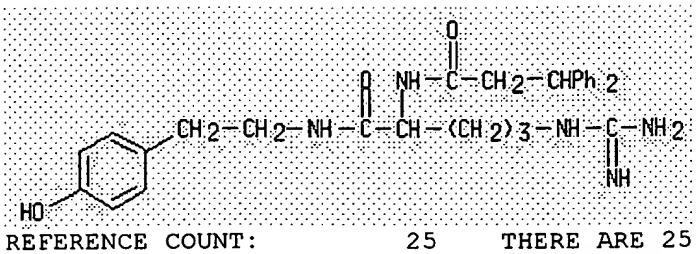
IT 218792-94-0P 218792-97-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(neuropeptide Y Y1 receptor antagonists and structure-activity relationships of arginine derivs. and hybrid compds. with arpromidine-like partial structures)
RN 218792-94-0 HCAPLUS
CN 2-Pyridinebutanamide, N-[(1S)-4-[(aminoiminomethyl)amino]-1-[[[2-(4-methoxyphenyl)ethyl]amino]carbonyl]butyl]-γ-(3,4-dichlorophenyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 218792-97-3 HCAPLUS
CN Benzenepropanamide, N-[4-[(aminoiminomethyl)amino]-1-[[[2-(4-hydroxyphenyl)ethyl]amino]carbonyl]butyl]-β-phenyl- (9CI) (CA INDEX

NAME)

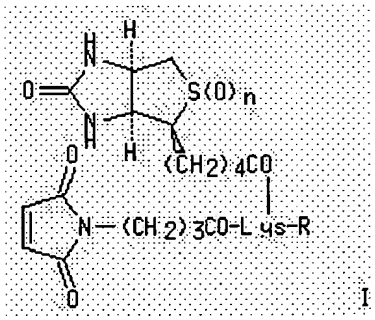


REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN

Full Text | Citing References

ACCESSION NUMBER: 1995:620466 HCAPLUS
DOCUMENT NUMBER: 123:257350
TITLE: Trifunctional reagents for derivatizing sulfhydryl groups
AUTHOR(S): Finn, Frances M.; Yamanouchi, Keitaro; Titus, Gail; Hofmann, Klaus
CORPORATE SOURCE: Dep. Med., Univ. Pittsburgh, Pittsburgh, PA, 15261, USA
SOURCE: Bioorganic Chemistry (1995), 23(2), 152-68
CODEN: BOCMBM; ISSN: 0045-2068
PUBLISHER: Academic
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



AB The syntheses of four trifunctional reagents I (n = 0, 2, R = NHCH2CH2C6H4OH-4; n = 0, R = Tyr-OH, NHCH2CH2NHCOCH2CH2C6H4OH-4) for alkylating sulfhydryl groups in proteins are described. Each reagent I contains a maleimide function capable of reacting with SH groups, a p-hydroxyphenyl group that can be iodinated, and a "biotin handle" to facilitate purifn. of the derivatized proteins or peptides derived from them by biotin-avidin affinity chromatog. Detailed conditions for obtaining the pure diiodo derivs. of I have been developed. The biotin is attached to all the reagents via the ε-amino group of lysine (biocytin) to provide sufficient space for optimum binding to avidin. The half-times (t1/2) for dissocn. of I (n = 0, R = CH2CH2C6H4OH-4) from succinoyl avidin (36.7 days), monoiodo (26.1 days) and diiodo derivs. (21.4 days), and sulfone I (n = 2, R = NHCH2CH2C6H4OH-4) (29.8 days), demonstrate that iodination does not significantly interfere with binding of the biotin residue to succinoyl avidin and that these reagents can be used effectively as affinity ligands. Remarkably, all the reagents I can

be iodinated without loss of the sulfhydryl alkylating capacity. Alkylation of highly purified human placental insulin receptor with the di-iodo derivs. of the reagents results in significant incorporation of 125I into the b-subunit of the receptor and the alkylation was prevented by prior exposure of the receptor to NEM. The advantages of these reagents over those previously available are that the parent mols. (1) are inexpensive to prep., (2) are solids that can be stored indefinitely without degrdn., (3) and can be radiolabeled to specific activity levels over seventy times higher with 125I than the specific activity available for 3H derivs.

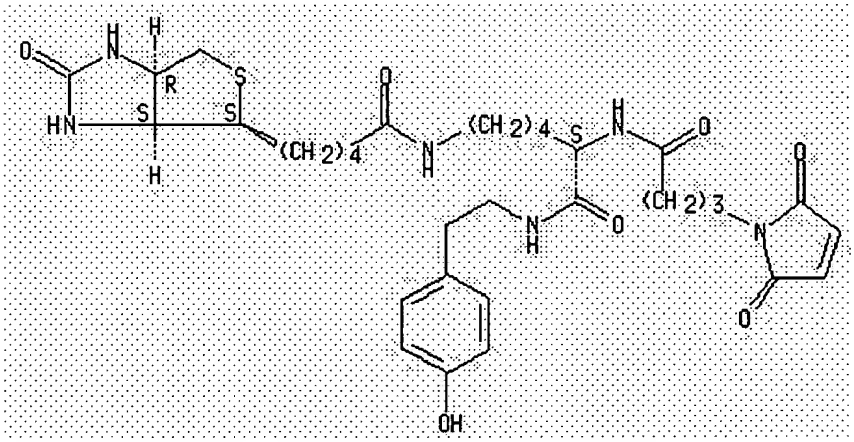
IT **168639-58-5P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of trifunctional reagents for derivatizing protein sulfhydryl groups)

RN 168639-58-5 HCAPLUS

CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, N-[5-[[4-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)-1-oxobutyl]amino]-6-[[2-(4-hydroxyphenyl)ethyl]amino]-6-oxohexyl]hexahydro-2-oxo-, [3aS-[3aα,4β(R*),6aα]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



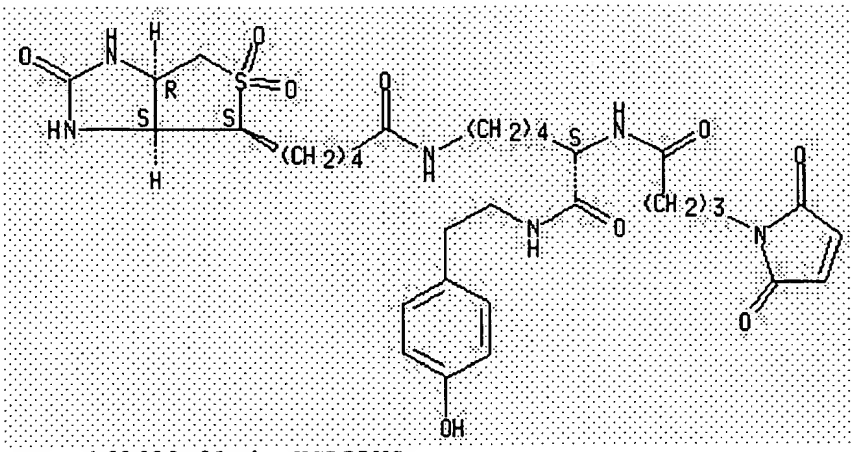
IT **168639-67-6P 168639-81-4P 168639-82-5P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of trifunctional reagents for derivatizing protein sulfhydryl groups)

RN 168639-67-6 HCAPLUS

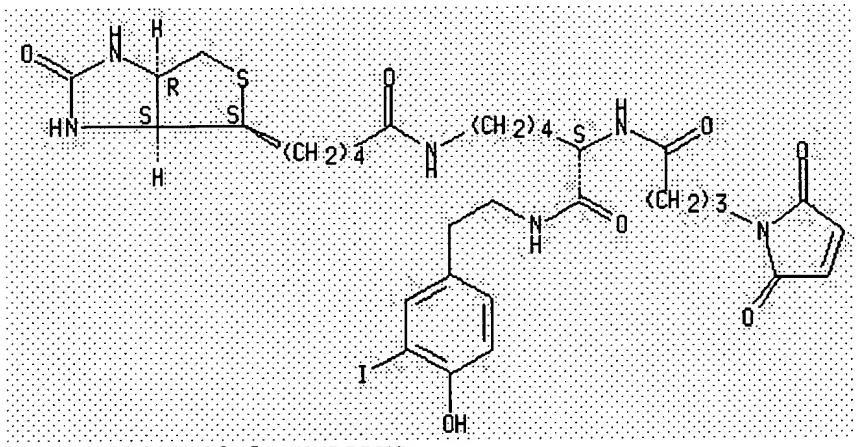
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, N-[5-[[4-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)-1-oxobutyl]amino]-6-[[2-(4-hydroxyphenyl)ethyl]amino]-6-oxohexyl]hexahydro-2-oxo-, 5,5-dioxide, [3aS-[3aα,4β(R*),6a.alpha.]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



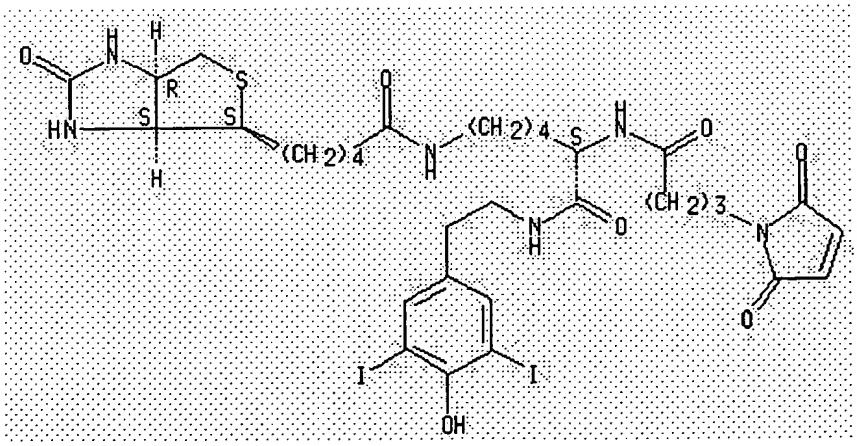
RN 168639-81-4 HCAPLUS
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, N-[5-[[4-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)-1-oxobutyl]amino]-6-[[2-(4-hydroxy-3-iodophenyl)ethyl]amino]-6-oxohexyl]hexahydro-2-oxo-, [3aS-[3aα,4β(R*),6aα]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 168639-82-5 HCAPLUS
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, N-[5-[[4-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)-1-oxobutyl]amino]-6-[[2-(4-hydroxy-3,5-diiodophenyl)ethyl]amino]-6-oxohexyl]hexahydro-2-oxo-, [3aS-[3aα,4β(R*),6aα]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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